

Classical Sudoku

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9.

1 15 points

				1				
	1		3		2		7	
		8				5		
			1		3			
3	7			8			1	5
			6		9			
		6				8		
	3		7		1		6	
				4				

2 15 points

		1				3		
			5		4			
	6			9			1	
	9			6			4	
7			1		5			8
	3			4			5	
	7			8			9	
			3		2			
		6				7		

Classical Sudoku

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9.

3 18 points

				1				
2			4		8			6
	8	6				7	4	
			3		9			
		3		4		5		
			1		7			
	5	8				6	3	
1			9		6			4
				8				

4 20 points

		1	8		3	2		
7				4				3
4								9
			6		1			
9								5
5				3				4
		8	2		5	6		

Classical Sudoku

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9.

5 20 points

				1				
		9				5		
	4		7		2		9	
2								5
	8			4			6	
7								1
	7		6		4		8	
		1				9		
				8				

6 25 points

8				9				6
	5	3				4	7	
	6						2	
			9		1			
4	3			6			1	2
			3		5			
	8						9	
	1	7				5	4	
5				7				8

Diagonal Sudoku

Fill in the grid so that every row, column, 3x3 box, and two main diagonals contain the digits 1 through 9.

7 27 points

	5	1						
2			9					
7						6	4	
1			3		2			8
	6	8			1			
				4				9
						4	7	

$$1234+567+89$$

Apply standard sudoku rules. For the indicated rows, the sum of the 4-digit number, the 3-digit number, and the 2-digit number will equal the given total.

8 45 points

			+		+				=5166
	8	7	4						
	6		+		+				=5958
	2		+		+				=4032
	7	4	2		8	5	1		
			+	4	+				=9765
			+	3	+				=8451
				1	3	5			
			+		+				=8838

Inequality Sudoku

Fill in the grids so that every row, column, and 3x3 box contains the digits 1 through 9. The grid should satisfy '>' (greater than) and '<' (less than) signs.

9 46 points

				9		7		
					5			
	2		6			7		
6				8				1
	8				1		3	
			9					
		6		1				

Bush * Sudoku

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9. The sum of two adjacent digits cannot be 10. ('bush' means no ten in Chinese.)

10 28 points

		6			3	1		
				7				
		9	2			3		7
		4			7		9	
	9	7			1			
			1			9		4
	8				6			
	4	1			2			5

Π Sudoku

Apply standard sudoku rules. For each row with grey cells, take a continuous sequence from the sequence on the right (π) and fill it in to the grey cells. The sequences have to follow the same order from top to bottom as they are in the original sequence. Within each row, the order of digits has to be identical to that in the original sequence as well.

11 44 points

	4							5
1			3					
8								
9		3						
	2						9	
						7		3
								7
					3			1
6							5	

$\Pi=3. 14159$
 265358979
 323846264
 338327950
 288419716
 939937510
 582097494
 459230781
 640628620
 899862803
 482534211
 70679...

The greater Sudoku

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9. The small number between two cells stands for the larger of the two.

12 37 points

		5						
					5			
4			4				3	
	6			8				4
				3				
	3							8
7			9	5		4		
							7	
	8			3				
								6
1			6				5	

Outside Sudoku

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9.

The numbers outside the boxes imply:

Box 1: with the form X-Y: in the corresponding column, the Xth digit is Y, or the Yth digit is X. At least one is right.

Box 2: the distance between digits 1 and 9 in the corresponding column. If 1 and 9 are adjacent the distance is assumed to be 1, if there is one digit in between the distance is 2, etc.

Box 3: represent the sums of all digits between 1 and 9 in that row.

Box 4: how many skyscrapers are seen from that direction of particular row (higher skyscrapers cover lower ones behind them).

Box 6: sum of the three closest cells in that row.

Box 7: product of the three closest cells in that row.

Box 8: the closest even or odd digit in that column.

Box 9: the digit(s) must appear somewhere in the three closest cells in the corresponding column.

15 55 points

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2	4	5	3																																																																																															
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